

Pursuant to the authority vested in the Air Resources Board (ARB) by Health and Safety Code (HSC) Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order (EO) G-02-003; and

Pursuant to the December 15, 1998 Settlement Agreement (SA) between ARB and the manufacturer, and any modifications thereof to the Settlement Agreement;

**IT IS ORDERED AND RESOLVED:** That the engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZE (liter)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas)	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS (L/M/H HDD=light/medium/heavy heavy-duty [HD] diesel; UB=urban bus; HDO=HD Otto)
2003	3CPXH0729EBX	11.9	Diesel	Diesel	HHDD
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		ENGINE MODELS / CODES (rated power in horsepower, hp)			
		C12: 1 (445 hp), 2 (395 hp), 3 (445 hp), 4 (445 hp)			
DDI, TC, CAC, ECM, OC, SPL					
GVWR=gross vehicle weight rating    TWC/OC=three-way/oxidizing catalyst    WU (prefix) =warm-up cat.    O2S=oxygen sensor    HO2S=heated O2S    TBI=throttle body fuel injection    MFI=multi port fuel injection    SFI=sequentialMFI    DD/IDI=direct /indirect diesel injection    TC/SC=turbo/super charger    CAC=charge air cooler    EGR=exhaust gas recirculation    AIR=secondary air injection    PAIR=pulsed AIR    SPL=smoke puff limiter    ECM/PCM=engine /powertrain control module    EM=engine modification    2 (prefix)=parallel    (2) (suffix)=in series    HC=hydrocarbon    NMHC=non-methane HC    NOx=oxides of nitrogen    CO=carbon monoxide    PM=particulate matter    HCHO=formaldehyde    g/bhp-hr=grams per brake horsepower-hour					

The following are the exhaust emission standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT), in g/bhp-hr, for this engine family under the "Federal Test Procedure" (FTP) (Title 13, California Code of Regulations, (13 CCR) Section 1956.1 (urban bus) or 1956.8 (other than urban bus)), and under the "Euro III Test Procedure" (EURO) in the Settlement Agreement, including EURO's "Not-to-Exceed" standard(s). "Diesel" CO certification compliance may have been demonstrated pursuant to Code of Federal Regulations, Title 40, Part 86, Subpart A, Section 86.091-23(c)(2)(i) in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [ ] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR Section 1956.1 or 1956.8 are in parentheses.)

* = not applicable	EURO'S NOT-TO-EXCEED STD						NMHC: 0.625		NOx: *		NMHC+NOx: 4.25		PM: 0.125	
	HC		NMHC		NOx		NMHC+NOx		CO		PM		HCHO	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
(DIRECT) STD	*	*	0.5	0.5	*	*	*	*	15.5	15.5	0.10	0.10	*	*
AVERAGE STD	*	*	*	*	*	*	2.5	*	*	*	*	*	*	*
FEL	*	*	*	*	*	*	3.4	3.4	*	*	*	*	*	*
CERT	*	*	0.02	0.00	*	*	2.9	3.0	0.7	0.1	0.08	0.07	*	*

**BE IT FURTHER RESOLVED:** That certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

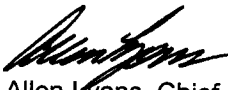
**BE IT FURTHER RESOLVED:** That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR Sections 1965 (emission control labels), and 2035 et seq. (emission control warranty).

**BE IT FURTHER RESOLVED:** That the listed engine models are conditionally certified subject to the following conditions: (1) The Settlement Agreement is in effect; and, (2) The manufacturer is in compliance with all applicable certification requirements of the Settlement Agreement and any modifications thereof.

Engines certified under this Executive Order shall conform to all applicable California emission regulations, and all Settlement Agreement's applicable requirements and any modifications thereof.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 1ST day of October 2003.

  
 Allen Lyons, Chief  
 Mobile Source Operations Division